



# - Facade PRO

Architectural solar facades, reimagined

Energy Generating Building Materials:  
eFacade PRO Product Datasheet

 MITREX™

⚡ eFacade PRO

eFacade PRO by Mitrex is a high-performance solar facade solution that blends aesthetics with cutting-edge building-integrated photovoltaic (BIPV) technology. This ventilated rainscreen system features an invisible extruded aluminum profile encasing high-efficiency solar cells, paired with a customizable facing available in 48 colors.

Now available in sizes up to 39×80 inches for optimal cost efficiency, eFacade PRO is engineered for durability, energy performance, and architectural versatility. The facing acts as a design canvas—allowing your building to come to life—seamlessly integrating solar power into your building envelope.

For even more customization, including unlimited sizes, colors, and textures, explore Mitrex eFacade PRO+.



Energy

Generates 7–18W/SF of clean energy while maintaining durability, reducing carbon emissions, and supporting net-zero energy goals.



Colors & Sizes

With 48 standard colors and custom sizes up to 39×80 inches, this system combines high solar performance with flexible design options across a range of finishes.



Rainscreen System

Features ventilated rainscreen system improving thermal performance, reducing moisture, and enhancing energy efficiency.



Sustainability

Supports lower carbon footprints through clean energy generation, recyclable components, and efficient, low-carbon materials.



Certifications

Meets safety standards including UL 61730, UL 61215, ASTM E1996 for impact resistance, and ASTM E330 for wind load performance.



Fire Safety

Meets global fire safety standards, including NFPA 285 and EN 13501 A2-s1,d0, and is built with non-combustible materials.



Performance

Built with premium materials and tested for durability, this system withstands extreme weather, UV exposure, and thermal stress—ideal for high-performance buildings in any climate.



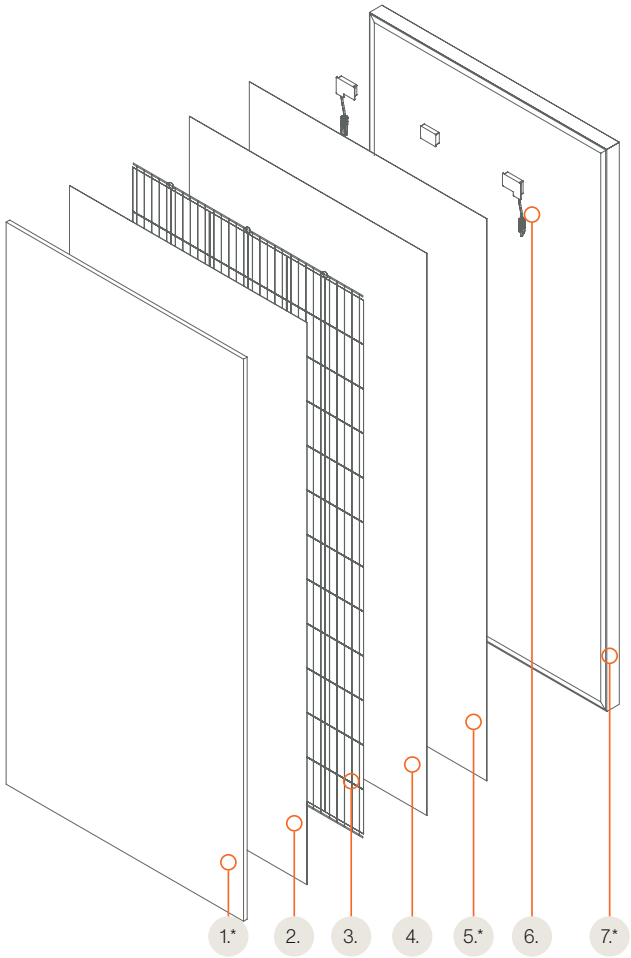
Maintenance

Designed for longevity, this system features self-cleaning, UV-resistant panels that resist dirt, fading, and corrosion—requiring minimal upkeep and backed by a 25-year performance warranty.



Incentives

Projects using this system may qualify for sustainability incentives such as government rebates, green energy grants, and low-cost financing across North America.



eFacade PRO Module Details

- 1. Glass / Customizable Facing - \* See page 6 - 8
- 2. and 4. Encapsulant
- 3. ⚡ Solar Cells
- 5. Back Sheet - \*See page 8, Section Solar Backsheet Capabilities
- 6. Junction Box
- 7. Extruded Aluminum Profile - \* See page 8



OWNER:  
University of Toronto  
ARCHITECT:  
Diamond Schmitt Architects/MVRDV  
GENERAL CONTRACTOR:  
EllisDon  
BUILDING TYPE:  
University, Medical  
PROJECT SIZE:  
63,000 SQFT  
POWER OUTCOME:  
Facade Power: 513kW  
Panel Power: 119kW

University Of Toronto - Toronto, ON, Canada





## General Electrical And Mechanical Data

Standard Module Size: 2034 × 994 mm (80 × 39.1 in)

| Test                                                              | Specification                                                                       | Engineering Drawing                                                |
|-------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Test Conditions                                                   | STC                                                                                 |                                                                    |
| Module Power (Pmax)                                               | See Page 13                                                                         |                                                                    |
| Maximum Power Voltage (Vpmax)                                     | See Page 13                                                                         |                                                                    |
| Maximum Power Current (Ipmax)                                     | See Page 13                                                                         |                                                                    |
| Open Circuit Voltage (Voc)                                        | See Page 13                                                                         |                                                                    |
| Short Circuit Current (Isc)                                       | See Page 13                                                                         |                                                                    |
| Module Efficiency                                                 | See Page 13                                                                         |                                                                    |
| Cell Efficiency                                                   | 22.5% - Monocrystalline Solar Cell                                                  |                                                                    |
| Maximum System Voltage (VDC)                                      | 1000V (IEC/UL)                                                                      |                                                                    |
| Series Fuse Rating                                                | 20A                                                                                 |                                                                    |
| Power & Other Electrical Specification Tolerance                  | 5%                                                                                  |                                                                    |
| Application Classification                                        | Class A                                                                             |                                                                    |
| Measurement Conditions: STC 1000 W/m² - AM 1.5 - Temperature 25°C |                                                                                     |                                                                    |
| Mechanical Properties                                             | Metric                                                                              | Imperial                                                           |
| Module Weight                                                     | 37.8kg                                                                              | 83.1lbs                                                            |
| Dimensions (H x L x D)                                            | 2034 × 994 × 34mm                                                                   | 80 × 39.1 × 1.3in                                                  |
| Maximum Surface Load (Wind / Snow)                                | 8000Pa rear load / 8000Pa front load                                                | 167.1psf rear load / 167.1psf front load                           |
| Design Load                                                       | 5400Pa rear load / 5400Pa front load                                                | 112.5psf rear load / 112.7psf front load                           |
| Hail Impact Resistance                                            | ø 25mm at 83 km/h                                                                   | ø 1in at 51.6 mph                                                  |
| Cells                                                             | 72 [12×6] Mono-crystalline (158.75 × 158.75mm)                                      | 72 [12×6] Mono-crystalline (6.25 × 6.25in)                         |
| Glass                                                             | 6mm tempered glass, high transmittance, anti-reflective coating                     | 0.23in tempered glass, high transmittance, anti-reflective coating |
| Cables & Connectors                                               | 1200mm - 4mm², 12 AWG (UL), MC4 from Staubli                                        | 47.2in - 0.16in², 12 AWG (UL) MC4 from Staubli                     |
| Backsheet                                                         | High durability, UV resistant, PV backsheet                                         |                                                                    |
| Frame                                                             | Extruded aluminum profile                                                           |                                                                    |
| Bypass Diodes                                                     | 3 diodes- 30SQ045T (45V max DC blocking voltage, 30A max forward rectified current) |                                                                    |
| Junction Box                                                      | IP68 rated, TUV and UL certified                                                    |                                                                    |
| Fire Rating                                                       | Type II                                                                             |                                                                    |
| Temperature Ratings                                               |                                                                                     | I-V Curves                                                         |
| Temperature Coefficient Isc                                       | 0.036% /°C                                                                          |                                                                    |
| Temperature Coefficient Voc                                       | -0.27% /°C                                                                          |                                                                    |
| Temperature Coefficient Pmax                                      | -0.36% /°C                                                                          |                                                                    |
| Nominal Module Operating Temperature                              | 45 ± 3°C                                                                            |                                                                    |
| Operating Temperature                                             | -40°C ~ +85°C                                                                       |                                                                    |
|                                                                   |                                                                                     |                                                                    |

\*Varies, These graphics are based on a 345W panel

Colors and Patterns

 **Finish**  
Modules feature satin glass, providing a smooth, low-reflective finish that enhances both aesthetics and performance.

 **Color Variety**  
Available in 48 colors and patterns, organized into two distinct solar series: Genesis and Exodus.

 **Design Flexibility**  
Available in a variety of module sizes, ranging from a maximum of 80 × 39 in (2,034 × 994 mm) to a minimum of 49 × 27 in (1,245 × 686 mm).

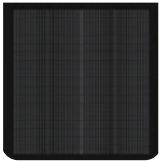
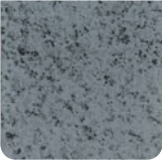
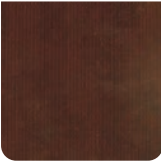
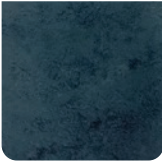


**ORDER A FREE SAMPLE!**

Experience the look and feel of our solar cladding. Scan the QR code or visit [www.mitrex.com](http://www.mitrex.com) to order your free Mitrex sample today.

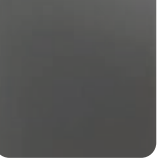
Mitrex Genesis Series

Mitrex Genesis Solar Series seamlessly blends aesthetics with innovation, offering a diverse range of color options that can be optimized to meet any design vision. These advanced solar facings provide both energy generation and architectural versatility, redefining the possibilities of sustainable building design.

|                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                      |                                                                                       |                                                                                       |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|   |   |   |   |   |   |   |
| Icy White<br>⚡5W/SQFT                                                              | Polaris<br>⚡9W/SQFT                                                                 | Ash Beige<br>⚡11W/SQFT                                                              | Gravel Grey<br>⚡11W/SQFT                                                            | Smokey Grey<br>⚡10W/SQFT                                                             | Charcoal Grey<br>⚡10W/SQFT                                                            | Navy Blue<br>⚡11W/SQFT                                                                |
|  |  |  |  |  |  |  |
| Turquoise<br>⚡7W/SQFT                                                              | Peridot<br>⚡5W/SQFT                                                                 | Dull Yellow<br>⚡6W/SQFT                                                             | Dull Orange<br>⚡5W/SQFT                                                             | Brown<br>⚡9W/SQFT                                                                    | Red<br>⚡9W/SQFT                                                                       | Pale Rose<br>⚡7W/SQFT                                                                 |
|  |  |  |  |  |  |  |
| Beige<br>⚡5W/SQFT                                                                  | Core Black<br>⚡18W/SQFT                                                             | Blackout<br>⚡16W/SQFT                                                               | Arcturus - Limestone<br>⚡12W/SQFT                                                   | Astra - Limestone<br>⚡11W/SQFT                                                       | Moonstone - Granite<br>⚡10W/SQFT                                                      | Carbo - Granite<br>⚡15W/SQFT                                                          |
|  |  |  |  |                                                                                      |                                                                                       |                                                                                       |
| Orbit - Marble<br>⚡16W/SQFT                                                        | Rocksalt - Marble<br>⚡11W/SQFT                                                      | Cassia - Metal<br>⚡14W/SQFT                                                         | Cobaltic - Metal<br>⚡13W/SQFT                                                       |                                                                                      |                                                                                       |                                                                                       |

Mitrex Exodus Series

Delivers a sleek, uniform aesthetic with a single-color design per module, ensuring a consistent and sophisticated look. While the color options are fixed, these high-performance solar facings seamlessly integrate renewable energy into any architectural project.

|                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|   |   |   |   |   |   |   |
| Nobel Grey<br>⚡10W/SQFT                                                               | Silver Grey<br>⚡10W/SQFT                                                              | Ironside Grey<br>⚡13W/SQFT                                                            | Monsoon<br>⚡13W/SQFT                                                                  | Boulder<br>⚡13W/SQFT                                                                  | Natural Grey<br>⚡13W/SQFT                                                             | Iron Filings<br>⚡14W/SQFT                                                             |
|  |  |  |  |  |  |  |
| Storm Grey<br>⚡13W/SQFT                                                               | Gun Smoke<br>⚡13W/SQFT                                                                | Ebony Grey<br>⚡13W/SQFT                                                               | Ocean<br>⚡15W/SQFT                                                                    | Deep Ocean<br>⚡15W/SQFT                                                               | Blue Jay<br>⚡14W/SQFT                                                                 | Sea<br>⚡14W/SQFT                                                                      |
|  |  |  |  |  |  |  |
| Purple<br>⚡13W/SQFT                                                                   | Apple Blossom<br>⚡8W/SQFT                                                             | Irish Coffee<br>⚡12W/SQFT                                                             | Cocoa Bean<br>⚡9W/SQFT                                                                | Wet Sand<br>⚡12W/SQFT                                                                 | Gold<br>⚡11W/SQFT                                                                     | Espresso Martini<br>⚡10W/SQFT                                                         |
|                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |  |  |
|                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       | Storm Dust<br>⚡8W/SQFT                                                                | Pine Cone<br>⚡13W/SQFT                                                                |



Panel Details

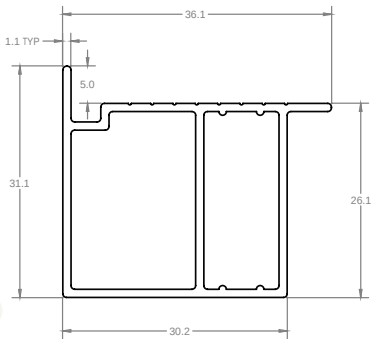
Size Capabilities

Mitrex offers eFacade PRO panels in a wide range of sizes, with a maximum size of 80 × 39 inches. For larger dimensions, please refer to Mitrex eFacade PRO+.



Extruded Aluminum Profile Mechanical Data

|                  | Imperial                   | Metric        |
|------------------|----------------------------|---------------|
| Dimensions       | 1.42 × 1.22in              | 36.1 × 31.1mm |
| Weight           | 0.29lb/ft                  | 0.43kg/m      |
| Tensile Modulus  | 10 × 10 <sup>6</sup> psi   | 69 GPa        |
| Tensile Strength | 0.21 × 10 <sup>5</sup> psi | 145 MPa       |
| Shear Strength   | 0.17 × 10 <sup>5</sup> psi | 117 MPa       |
| Material         | Aluminum Alloy             |               |



Module Frame Detail

Lifetime Warranty

- Mitrex solar facade products physically last the lifetime of the building and beyond as a building envelope product.
- The warranty guarantees that the energy generation will have a minimum energy output of 80% by year 25. However, energy generation will continue after the warranty period ends for as long as the panels are on the wall.
- Our lifetime warranty ensures reliable, durable facades as the panels require minimal maintenance and there is zero panel replacement needed for the building lifetime.

Solar Glass Type

Mitrex offers eFacade PRO with Satin Glass. For other glass options, please refer to Mitrex eFacade PRO+.

Solar Glass Mechanical Data

|                                                                       | Imperial                             | Metric                             |
|-----------------------------------------------------------------------|--------------------------------------|------------------------------------|
| Thickness (0.23in / 6mm)                                              | 0.23 ± 0.012in                       | 6 ± 0.3mm                          |
| Dimensional Tolerance                                                 | ± 0.04in                             | ± 1.0mm                            |
| Density                                                               | 0.09lbs/in <sup>3</sup>              | 2.5gm/cm <sup>3</sup>              |
| Corner                                                                | Radius, Chamfer or cut (0.04-0.16in) | Radius, Chamfer or cut (1.0-4.0mm) |
| Overall Bow / Warp<br><small>(EN 12150-1:2015)</small>                | 0.16in / 39.37in                     | 4.0mm/M / 990mm/M                  |
| Local Warp<br><small>(EN 12150-1:2015)</small>                        | 0.002in / 11.81in                    | 0.5mm / 300mm/M                    |
| Bending Strength<br><small>(EN 12150-1:2015) (0.13in / 3.2mm)</small> | 516.06lbs/in                         | 90N/mm                             |
| Bending Strength<br><small>(EN 12150-1:2015) (0.23in / 6mm)</small>   | 685.21lbs/in                         | 120N/mm                            |
| Iron Content <small>(ASS)</small>                                     | <120ppm                              |                                    |
| Edge                                                                  | At least seamed                      |                                    |
| Scratch Hardness <small>(Mohs)</small>                                | 5                                    |                                    |

|                                                                                |            |  |
|--------------------------------------------------------------------------------|------------|--|
| Fragmented Particles in 50×50mm <small>(If Tempered) (EN 12150-1:2015)</small> | Min 40 pcs |  |
|--------------------------------------------------------------------------------|------------|--|

Solar Glass Facing Specification

|                                        | Certification | Imperial              | Metric                 |
|----------------------------------------|---------------|-----------------------|------------------------|
| Density                                | ASTM C729     | 158lb/ft <sup>3</sup> | 2,530kg/m <sup>3</sup> |
| Absorption By Wt.                      | ASTM C373     | 0%                    | 0%                     |
| Compressive Strength                   | -             | 150,000psi            | 1,000MPa               |
| Flexural Strength <small>(Dry)</small> | ASTM C158     | 8,700psi              | 60MPa                  |
| Modulus Rupture                        | ASTM C158     | 5,950psi              | 41MPa                  |
| Hardness                               | ASTM C730     | 570KHN                |                        |

For further mechanical information about solar glass, please check Mitrex solar glass datasheet.

Solar Backsheet Capabilities

|           |                                                                             |  |  |
|-----------|-----------------------------------------------------------------------------|--|--|
| Backsheet | High durability, UV resistant, PV backsheet                                 |  |  |
| Color     | <div><div></div>Black Backsheet</div> <div><div></div>White Backsheet</div> |  |  |

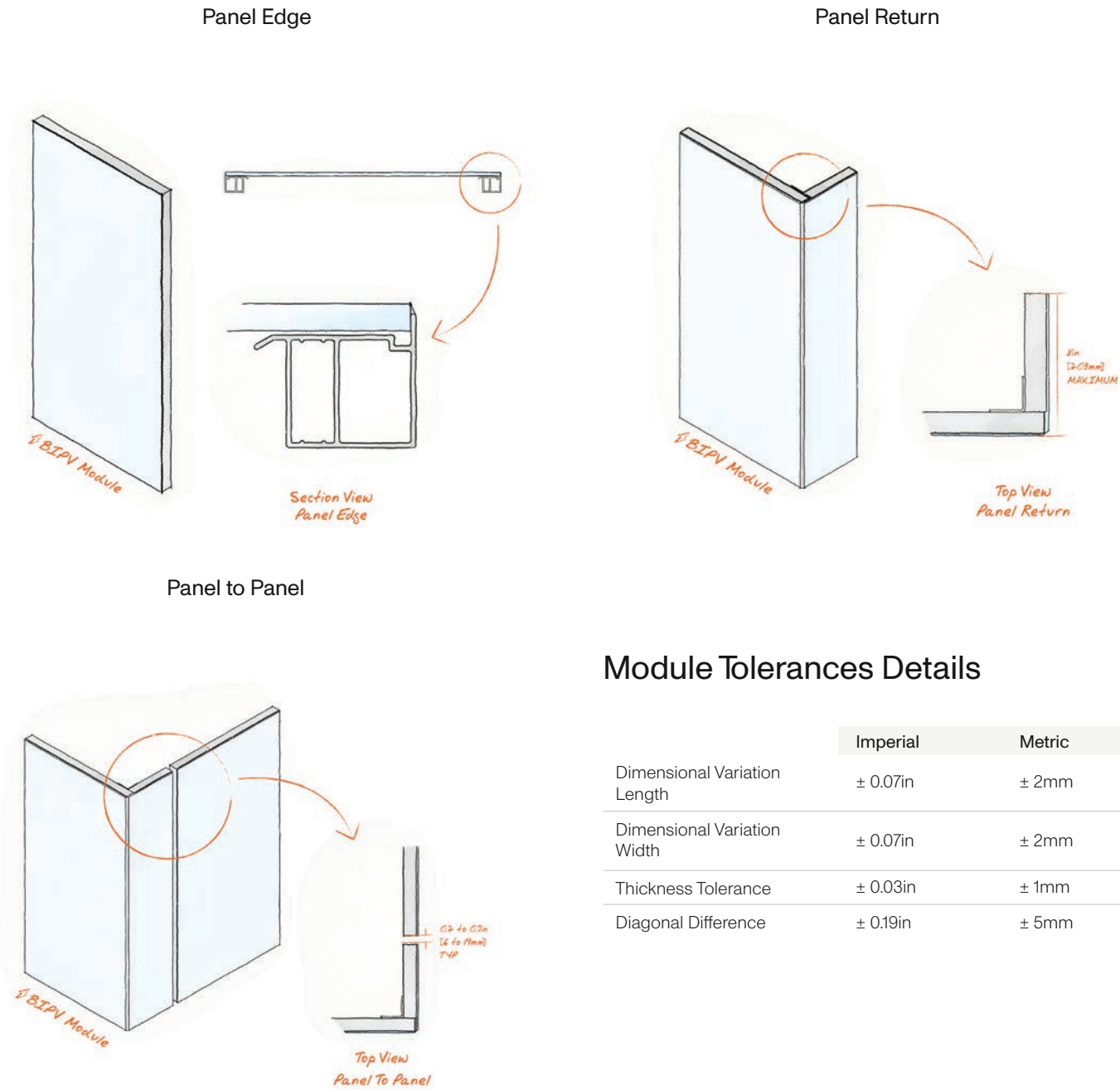
Testing and Certifications

| Category        | Test Name                                                                      | Test Specification             | Result                                                                                                                                                                                     |
|-----------------|--------------------------------------------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acoustic        | Sound Transmission Loss                                                        | ASTM E90                       | Sound Transmission Rating:<br>CladiShield Rainscreen: 34; Claditized Unitized: 35; CladiFab Prefab: 55                                                                                     |
|                 |                                                                                |                                |                                                                                                                                                                                            |
| Environmental   | Salt Spray Resistance                                                          | ASTM B117-16                   | No deleterious effects.                                                                                                                                                                    |
|                 | Laboratory Aging of Sandwich Construction                                      | ASTM C481-99 (Reapproved 2016) | ASTM C273; C297; C364; C393 tests were reconducted after aging: the variation was +1.36 %, -5.90%; +2.55%; -7.95%. Note: Positive variation indicates no decrease in strength after aging. |
|                 | Resistance to Rapid Freezing and Thawing                                       | ASTM C666/C666M-15             | No visible change to panel                                                                                                                                                                 |
|                 | Air Leakage Resistance                                                         | ASTM E283-04 (2012)            | Qinf = 0.031 cfm/ft <sup>2</sup> or 0.155 L/s-m <sup>2</sup> at 300 Pa; Qexf = 0.024 cfm/ft <sup>2</sup> or 0.122 L/s-m <sup>2</sup> at 300 Pa                                             |
|                 | Fluorescent UV Exposure                                                        | ASTM G154 -16                  | No visible change                                                                                                                                                                          |
| Fire Safety     | Water Penetration Resistance                                                   | ASTM E331                      | No water infiltration at 15 psf or 720 Pa                                                                                                                                                  |
|                 | Fire Endurance Test                                                            | ASTM E119 / CAN/ULC S101       | Passed                                                                                                                                                                                     |
|                 | Exterior Wall Assembly Fire Test                                               | CAN/ULC S134                   | Passed                                                                                                                                                                                     |
|                 | Fire Classification                                                            | EN13501                        | Rating: A2-s1,d0                                                                                                                                                                           |
|                 | Tunnel Test                                                                    | ASTM E84                       | FSI = 10; SDI = 200; Class A                                                                                                                                                               |
|                 | Non-Combustibility (ASTM E136)                                                 | ASTM E136                      | Passed                                                                                                                                                                                     |
|                 | Multi-Story Fire Test                                                          | NFPA 285                       | Passed                                                                                                                                                                                     |
|                 | Surface Burning Characteristics                                                | CAN/ULC S102                   | FSR = 0; Class A                                                                                                                                                                           |
|                 | Non-Combustibility (CAN/ULC S114)                                              | CAN/ULC S114                   | Passed                                                                                                                                                                                     |
|                 | Combustibility Parameters (Cone Calorimeter)                                   | CAN/ULC S135                   | Passed NBCC 2015 requirements                                                                                                                                                              |
| Impact / Safety | Large Missile Impact Test                                                      | ASTM E1996 / TAS 201           | Passed                                                                                                                                                                                     |
|                 | Cyclic Pressure Loading                                                        | ASTM E1886 / TAS 203           | Passed. Over 3,500 positive and negative pressure cycles were applied at ± 2880 Pa (60 psf), equivalent wind load of 165 mph.                                                              |
| Mechanical      | Shear Strength and Shear Modulus                                               | ASTM C273/C273M-18             | Ultimate core shear strength = 1.01 MPa (147 psi); Core shear modulus = 10.9 MPa (1583 psi)                                                                                                |
|                 | Shear Strength by Beam Flexure                                                 | ASTM C393/C393M-16             | Max core shear strength = 0.94 MPa (137 psi); Facing bending stress = 8.14 MPa (1180 psi)                                                                                                  |
|                 | Flexure Creep Evaluation                                                       | ASTM C480/C480M-16             | Net creep (in/day) facing - 0.029                                                                                                                                                          |
|                 | Density of Sandwich Core                                                       | ASTM C271/C271M-16             | 327 kg/m <sup>3</sup> (20.42 lbm/ft <sup>3</sup> )                                                                                                                                         |
|                 | Flatwise Tensile Bond Strength                                                 | ASTM C297/C297M-16             | 1.52 MPa (220 psi)                                                                                                                                                                         |
|                 | Edgewise Compressive Strength                                                  | ASTM C364/C364M-16             | 37.85 MPa (5490 psi)                                                                                                                                                                       |
|                 | Flatwise Compressive Strength                                                  | ASTM C365                      | 1.92 MPa (278 psi)                                                                                                                                                                         |
|                 | Flexural Strength                                                              | ASTM C880/C880M-15             | 22.83 MPa (3311.21 psi); No failure                                                                                                                                                        |
|                 | Tensile Properties of Adhesive Bond                                            | ASTM C897-08 (2016)            | Adhesive bond did not fail                                                                                                                                                                 |
|                 | Damage Resistance                                                              | ASTM D7766/D7766M-16           | No panel deformation                                                                                                                                                                       |
|                 | Structural Performance                                                         | ASTM E330                      | +/-80 psf or +/- 3840 Pa; no failure                                                                                                                                                       |
|                 |                                                                                |                                |                                                                                                                                                                                            |
| Structural      |                                                                                |                                |                                                                                                                                                                                            |
| Thermal         | Thermal Resistance                                                             | ASTM 1363-11                   | 0.20 m <sup>2</sup> ·°C/W (1.12 hr·ft <sup>2</sup> ·°F/BTU)                                                                                                                                |
|                 | Linear Thermal Expansion                                                       | ISO 10545-8                    | 11.28 × 10 <sup>-6</sup> /°C                                                                                                                                                               |
| PV Quality      | Terrestrial Photovoltaic (PV) Modules - Design Qualification and Type Approval | IEC/UL 61215                   | Passed                                                                                                                                                                                     |
| PV Safety       | Standard for Photovoltaic (PV) Module Safety                                   | IEC/UL 61730                   | Passed                                                                                                                                                                                     |



Corners & Edges Details

At Mitrex, every detail matters—right down to the corners and edges. eFacade PRO corner and edge solutions are engineered to maintain the aesthetic continuity of the building envelope while ensuring performance, safety, and durability.



Module Tolerances Details

|                              | Imperial | Metric |
|------------------------------|----------|--------|
| Dimensional Variation Length | ± 0.07in | ± 2mm  |
| Dimensional Variation Width  | ± 0.07in | ± 2mm  |
| Thickness Tolerance          | ± 0.03in | ± 1mm  |
| Diagonal Difference          | ± 0.19in | ± 5mm  |

Request Your Mitrex Architectural Box

The Mitrex Architectural Box is a curated toolkit that brings the potential of eFacade PRO directly to your hands. Designed with architects in mind, this box features a complete snapshot of our solar cladding system's capabilities — including a physical brochure, scaled-down corner and edge profiles, an active eFacade PRO sample, and a range of color chips showcasing our standard Genesis and Exodus finishes.

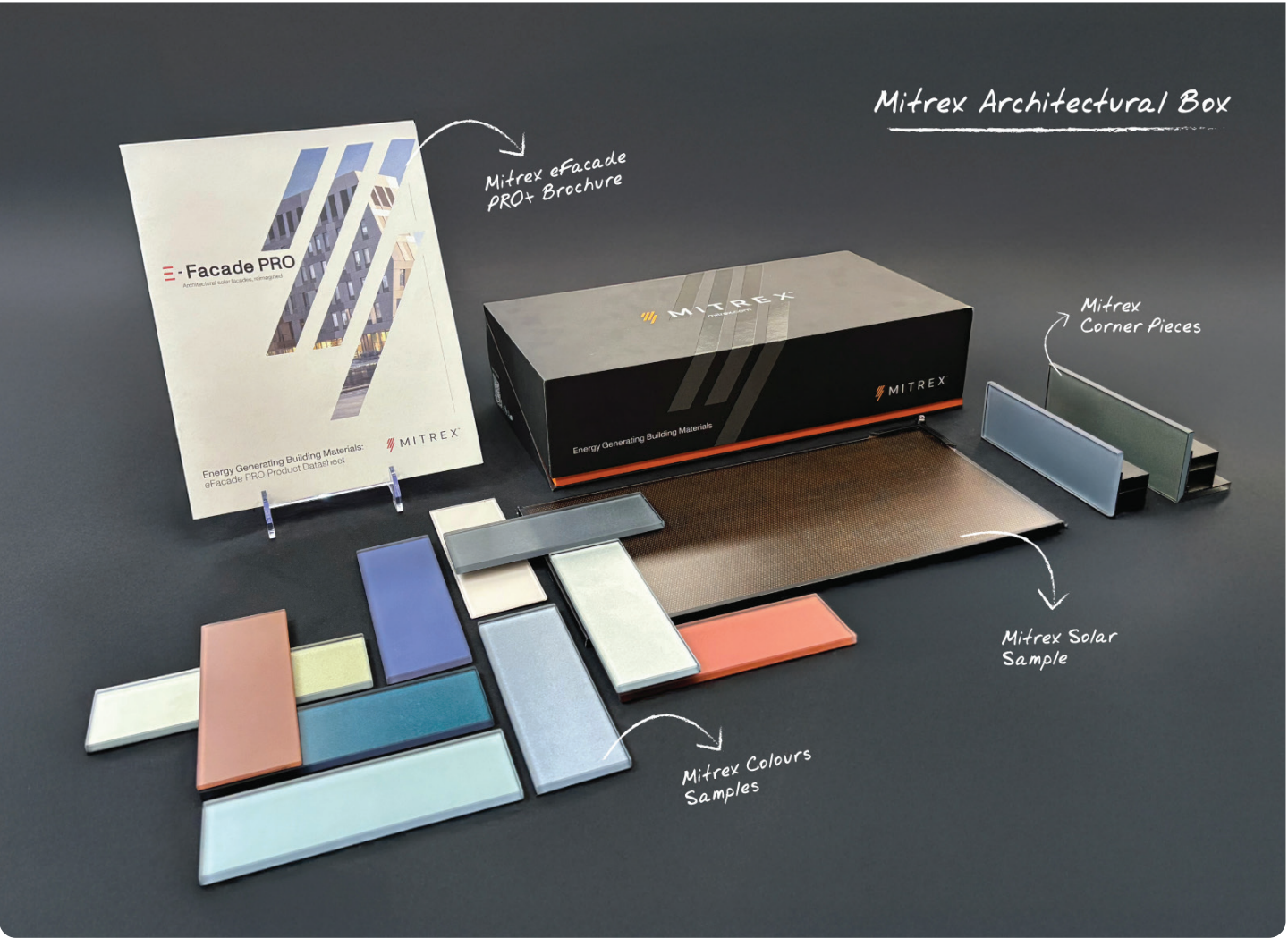
Whether you're exploring façade aesthetics, energy performance, or system integration, this box offers a tangible preview of what Mitrex can deliver.

Contact us at [info@mitrex.com](mailto:info@mitrex.com) to request your sample box today. Let's build the future — beautifully and sustainably.



ORDER A FREE ARCHITECTURAL BOX!

Experience the look and feel of our solar cladding. Scan the QR code or visit [www.mitrex.com](http://www.mitrex.com) to order your free Mitrex architectural box today.





System Details

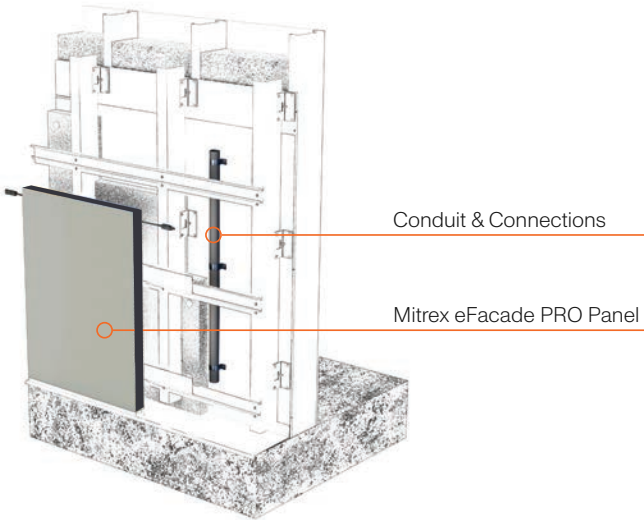
Cladishield Rainscreen System

With CladiShield Rainscreen system, you don't just get cladding panels—you get a complete wall solution. Provided by Mitrex's sister company, Cladify, the system is a comprehensive package that includes a high-performing air and moisture barrier, continuous insulation, adjustable sub-framing systems, and, of course, our exceptional multi-facing cladding.

| Test                                      | Rating  |
|-------------------------------------------|---------|
| Smoke And Flame Spread (ASTM E84)         | Class A |
| Sound Transmission Coefficient (ASTM E90) | 34      |

Tolerances Details

|                              | Imperial | Metric |
|------------------------------|----------|--------|
| Dimensional Variation Length | ± 0.07in | ± 2mm  |
| Dimensional Variation Width  | ± 0.07in | ± 2mm  |
| Thickness Tolerance          | ± 0.03in | ± 1mm  |
| Diagonal Difference          | ± 0.19in | ± 5mm  |



Electrical Data

| ● Model Name     | ● Module Power (W/SF) | ● Max. Power Current - Imax (A) | ● Max. Power Voltage - Vmax (V) | ● Short Circuit Current - Isc (A) | ● Open Circuit Current - Voc (V) | ● Module Efficiency (%) |
|------------------|-----------------------|---------------------------------|---------------------------------|-----------------------------------|----------------------------------|-------------------------|
| Apple Blossom    | 8                     | 4.16                            | 40.90                           | 4.44                              | 47.50                            | 8%                      |
| Arcturus         | 12                    | 6.26                            | 42.30                           | 7.36                              | 48.40                            | 13%                     |
| Ash Beige        | 11                    | 5.20                            | 40.40                           | 5.45                              | 47.90                            | 11%                     |
| Astra            | 11                    | 6.92                            | 42.60                           | 8.20                              | 48.70                            | 12%                     |
| Beige            | 5                     | 2.61                            | 40.30                           | 2.74                              | 46.90                            | 5%                      |
| Blackout         | 16                    | 8.62                            | 40.60                           | 9.07                              | 48.90                            | 17%                     |
| Blue Jay         | 14                    | 7.59                            | 40.20                           | 7.90                              | 48.50                            | 15%                     |
| Boulder          | 13                    | 6.90                            | 40.60                           | 7.23                              | 48.50                            | 14%                     |
| Brown            | 9                     | 4.62                            | 41.10                           | 4.96                              | 47.70                            | 9%                      |
| Carbo            | 15                    | 6.85                            | 41.60                           | 7.12                              | 48.10                            | 16%                     |
| Cassia           | 14                    | 7.32                            | 41.00                           | 7.74                              | 48.60                            | 15%                     |
| Charcoal Grey    | 10                    | 5.43                            | 40.50                           | 5.71                              | 48.00                            | 11%                     |
| Cobaltic         | 13                    | 6.14                            | 40.70                           | 6.49                              | 48.30                            | 14%                     |
| Cocoa Bean       | 9                     | 4.62                            | 41.10                           | 4.96                              | 47.70                            | 9%                      |
| Core Black       | 18                    | 9.31                            | 41.90                           | 9.97                              | 48.20                            | 19%                     |
| Deep Ocean       | 15                    | 8.17                            | 40.40                           | 8.55                              | 48.70                            | 16%                     |
| Dull Orange      | 5                     | 3.21                            | 40.50                           | 3.39                              | 47.10                            | 6%                      |
| Dull Yellow      | 6                     | 3.21                            | 40.50                           | 3.39                              | 47.10                            | 6%                      |
| Ebony Grey       | 13                    | 7.00                            | 40.70                           | 7.36                              | 48.60                            | 14%                     |
| Espresso Martini | 10                    | 5.43                            | 40.50                           | 5.71                              | 48.00                            | 11%                     |
| Gold             | 11                    | 5.67                            | 40.60                           | 5.97                              | 48.10                            | 11%                     |
| Gravel Grey      | 11                    | 5.97                            | 40.20                           | 6.19                              | 48.10                            | 12%                     |
| Gun Smoke        | 13                    | 7.00                            | 40.70                           | 7.36                              | 48.60                            | 14%                     |
| Icy White        | 5                     | 3.21                            | 40.50                           | 3.39                              | 47.10                            | 6%                      |
| Irish Coffee     | 12                    | 6.44                            | 40.40                           | 6.71                              | 48.30                            | 13%                     |
| Iron Filings     | 14                    | 7.48                            | 40.10                           | 7.77                              | 48.40                            | 15%                     |
| Ironside Grey    | 13                    | 6.67                            | 40.50                           | 6.97                              | 48.40                            | 13%                     |
| Monsoon          | 13                    | 6.77                            | 40.60                           | 7.10                              | 48.50                            | 14%                     |
| Moonstone        | 10                    | 5.38                            | 40.90                           | 5.71                              | 48.00                            | 11%                     |
| Natural Grey     | 13                    | 7.00                            | 40.70                           | 7.36                              | 48.60                            | 14%                     |
| Navy Blue        | 11                    | 6.08                            | 40.30                           | 6.32                              | 48.20                            | 12%                     |
| Nobel Grey       | 10                    | 5.20                            | 40.40                           | 5.45                              | 47.90                            | 10%                     |
| Ocean            | 15                    | 7.94                            | 40.30                           | 8.29                              | 48.60                            | 16%                     |
| Orbit            | 16                    | 7.95                            | 40.90                           | 8.34                              | 48.60                            | 17%                     |
| Pale Rose        | 7                     | 3.45                            | 40.60                           | 3.66                              | 47.20                            | 7%                      |
| Peridot          | 5                     | 3.21                            | 40.50                           | 3.39                              | 47.10                            | 6%                      |
| Pine Cone        | 13                    | 6.77                            | 40.60                           | 7.10                              | 48.50                            | 14%                     |
| Polaris          | 9                     | 4.16                            | 40.90                           | 4.44                              | 47.50                            | 9%                      |
| Purple           | 13                    | 6.90                            | 40.60                           | 7.23                              | 48.50                            | 14%                     |
| Red              | 9                     | 4.62                            | 41.10                           | 4.96                              | 47.70                            | 9%                      |
| Rocksalt         | 11                    | 5.74                            | 41.80                           | 6.17                              | 48.30                            | 12%                     |
| Sea              | 14                    | 7.48                            | 40.10                           | 7.77                              | 48.40                            | 15%                     |
| Silver Grey      | 10                    | 5.43                            | 40.50                           | 5.71                              | 48.00                            | 11%                     |
| Smokey Grey      | 10                    | 5.43                            | 40.50                           | 5.71                              | 48.00                            | 11%                     |
| Storm Dust       | 8                     | 4.26                            | 41.00                           | 4.57                              | 47.60                            | 9%                      |
| Storm Grey       | 13                    | 6.90                            | 40.60                           | 7.23                              | 48.50                            | 14%                     |
| Turquoise        | 7                     | 3.68                            | 40.70                           | 3.92                              | 47.30                            | 7%                      |
| Wet Sand         | 12                    | 6.44                            | 40.40                           | 6.71                              | 48.30                            | 13%                     |





ARCHITECT:  
RLA Architecture  
DEVELOPER:  
Homestead Land Holdings  
BUILDING TYPE:  
Residential / Office Building

PROJECT SIZE:  
5,973 SQFT  
POWER OUTCOME:  
50kW



ARCHITECT:  
MBC Group  
OWNER / DEVELOPER:  
Avenue Living/Logyx Solutions  
BUILDING TYPE:  
Residential Retrofit

PROJECT SIZE:  
30,534 SQFT  
POWER OUTCOME:  
267kW



ARCHITECT:  
Paradigm Architecture + Design  
DEVELOPER:  
Sionito Group  
BUILDING TYPE:  
Long Term Care Residential Building

PROJECT SIZE:  
Solar Facade: 50,432 SQFT  
Solar Railing: 2,360 LFT  
POWER OUTCOME:  
Solar Facade: 350kW  
Solar Railing: 11kW



ARCHITECT:  
Reimagine Architects  
OWNER / DEVELOPER:  
Alberta Health Services  
BUILDING TYPE:  
Hospital / Medical

PROJECT SIZE:  
9,000 SQFT  
POWER OUTCOME:  
58kW

## Mitrex eFacade Products Comparison

Mitrex offers three distinct solar cladding solutions—eFacade LITE, eFacade PRO, and eFacade PRO+—each engineered to meet varying project needs in terms of design flexibility, performance, and scale.

The table below provides a detailed comparison across key features such as colors and finishes, sizing options, weight, system compatibility, and testing standards. Whether you're prioritizing affordability, customization, or advanced performance, this side-by-side overview will help you identify the best fit for your project.

|                   | eFacade LITE                                                                | eFacade PRO                                                             | eFacade PRO+                                                                                                                                           |
|-------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Colors & Patterns | 5 color options                                                             | 48 color options                                                        | Unlimited customizable colors & patterns                                                                                                               |
|                   | Finish: Satin glass<br>Thickness: 0.24in (6mm)                              | Finish: Satin glass<br>Thickness: 0.24in (6mm)                          | Finish: Super satin, satin, matte, glossy, wood grain, aqualite, and more.<br>Thickness: 0.12-0.47in (3.2-12mm)                                        |
| Sizes & Weight    | 2 size options:<br>73 × 36 in (1854 × 922 mm)<br>73 × 18 in (1854 × 456 mm) | Custom sizes up to 80 × 39 in (2034 × 994mm).                           | Customizable single piece sizes up to 125 × 80 in (3175 × 2032mm).<br>Preassembled pieces up to 420 inches (10.7m) long.                               |
|                   | Weight: 3.87 lb/SQFT (18.9 kg/sqm)                                          | Weight: 3.84 lb/SQFT (18.8 kg/sqm)                                      | Weight: 3.1 - 4.7 lb/SQFT (15.4-23.1 kg/sqm)                                                                                                           |
|                   | Backing: Extruded aluminum profile with panel thickness of 1.3in (34mm)     | Backing: Extruded aluminum profile with panel thickness of 1.3in (34mm) | Backing: Extruded aluminum profile with panel thickness of 1.3in (34mm).<br>Aluminum honeycomb with 1 or 2 in (25 or 50mm) thickness excluding facing. |
|                   | Shapes: rectangle                                                           | Shapes: rectangle                                                       | Customizable Shapes: rectangle, triangle, circle, and more                                                                                             |
| Systems           | Ventilated rainscreen system, eFacade LITE system                           | Ventilated rainscreen system (interlocking channel or anchor plate)     | Customizable rainscreen, unitized or prefabricated system options                                                                                      |
|                   | System Thickness: 3.78 in (96mm)                                            | System Thickness: 1.5 in (39mm) - 2.32 (59mm)                           | System Thickness: 1.42 in (36mm) - 4.33in (110mm)                                                                                                      |
|                   | MOQ of 150 SQFT (13.9 sqm)                                                  | MOQ of 500 SQFT (46.4 sqm)                                              | MOQ of 5,000 SQFT (464.5 sqm)                                                                                                                          |
| Testing           | 3rd party tested                                                            | 3rd party tested                                                        | 3rd party tested                                                                                                                                       |
|                   | Code-compliant & safety tested                                              | Code-compliant & safety tested                                          | Code-compliant & safety tested                                                                                                                         |
|                   | Fire tested                                                                 | Fire tested                                                             | Fire tested                                                                                                                                            |

For more information about Mitrex eFacade products, visit [mitrex.com](https://mitrex.com) or email us at [info@mitrex.com](mailto:info@mitrex.com)



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Mitrex and Cladify Projects



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